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temperature shift <200K at 10,000 hrs); and/or high luminous efficacy of >90 lumens/watt; and/or a lifetime of about 20,000 hours; and/or power ranges of about 150W to about 1000W; and in each instance, will employ at least one curved frame wire which extends adjacent the glass bulb and is effective to at least minimize arc bending when the lamp is operated; and/or lamps are provided having a power range of about 150W to about 1000W and exhibiting one or more of a characteristic selected from the group consisting of a CCT (correlated color temperature) of about 3800 to about 4500K, a CRI (color rendering index) of about 70 to about 95, a MPCD (mean perceptible color difference) of about ± 10 , a luminous efficacy up to about 85-95 lumens/watt, in which the arc bending problem is eliminated or at least minimized.

IN THE CLAIMS

Please amend the claims to read as follows:

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1. (amended) A discharge lamp comprising an outer bulb enclosing a ceramic discharge vessel enclosing a discharge space which contains an ionizable material comprising a metal halide; a first and second discharge electrode feedthrough means ; and a first and second current conductor connected to said first and second discharge electrode feedthrough means , respectively;

said lamp having a single substantially curved frame wire , connected to one of said current conductors , and extending between said ceramic discharge vessel and said glass bulb, said curved

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frame wire being curved away from said ceramic discharge vessel and toward said glass bulb at least in a center portion adjacent a center portion of the ceramic discharge vessel whereby said center portion of said curved wire frame and said center portion of said ceramic discharge vessel are separated by a distance D effective to reduce arc bending when compared to said discharge lamp when said frame wire extends substantially parallel to said glass bulb and a center portion of the said frame wire adjacent a center portion of the ceramic discharge vessel and is separated by a distance D1 that is less than said distance D.

2. A lamp as claimed in claim 1, wherein the ceramic discharge vessel is a substantially cylindrical arc tube.

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3. (amended) A lamp as claimed in claim 2, wherein said curved frame wire extends outwardly from said arc tube at a distance whereby the maximum distance D between the center portion of the arc tube and the center portion of the curved frame wire is at least twice the distance D1 from the center portion of the arc tube to the center portion of the field wire in said discharge lamp wherein said frame wire extends substantially parallel to the arc tube.

4. (amended) A lamp as claimed in claim 2, having a power range of about 150W to about 1000W and exhibiting one or more of a characteristic selected from the group consisting of a correlated color temperature of about 3800 to about 4500K, a color rendering index of about 70 to about 95, a mean perceptible color difference of about ± 10 , and a luminous efficacy up to about 85-95 lumens/watt

and /or in which the heat impact of the arc tube on the lamp components does not effectively reduce the lamp life.

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5. (amended) A lamp as claimed in claim 2, wherein said curved frame wire is a curved frame wire that extends adjacent to and substantially follows the contour of the glass bulb and in which the heat impact of the arc tube on the lamp components does not effectively reduce the lamp life.

6. A lamp as claimed in Claim 1 retrofit with ballasts designed for high pressure sodium or quartz metal halide lamps.

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7. (amended) A lamp as claimed in claim 2, wherein the approximate range of the aspect ratio of the arc tube is about 3 to 10, with the distance between two electrodes ranging from 10mm to 60mm.

8. A lamp as claimed in claim 7, wherein the aspect ratio of said arc tube falls within the range of about 3.3-6.2.

Please add the following claims:

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9. A discharge lamp having a power range of about 150W to about 1000W and exhibiting one or more characteristics selected from the group consisting of a correlated color temperature of about 3800 to about 4500K, a color rendering index of about 70 to about 95, a mean perceptible color difference of about +10, and a luminous efficacy up to about 85-95 lumens /watt and/or in which the heat impact of the arc tube does not effectively reduce the lamp life, and

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comprising an outer bulb enclosing a cylindrical ceramic discharge vessel having an aspect ratio in the range of about 3 to 10 and enclosing a discharge space which contains an ionizable material comprising a metal halide; a first and second discharge electrode feedthrough means, the distance between said electrodes being in the range of about 10mm to about 60mm,; and a first and second current conductor connected to said first and second discharge electrode feedthrough means, respectively;

said lamp having a single substantially curved frame wire supporting the ceramic discharge vessel and connected to one of said current conductors, and extending between said ceramic discharge vessel and said glass bulb, said curved frame wire being curved away from said ceramic discharge vessel and toward said glass bulb at least in a center portion so as to be separated from the discharge vessel by a distance D of at least 10 mm to reduce arc bending when compared to the discharge lamp when said frame wire extends substantially parallel to and in a substantially straight line relative to the ceramic discharge vessel and at a smaller distance therefrom.

10. A lamp as claimed in claim 9, wherein said field wire is formed from stainless steel.

11. A lamp as claimed in claim 1, wherein said field wire is formed from stainless steel.

12. A lamp as claimed in claim 2, wherein said field wire is formed from stainless steel.

13. A lamp as claimed in claim 1, wherein said ceramic discharge vessel is wound with a conductive antenna coil.

14. A lamp as claimed in claim 2, wherein said ceramic discharge vessel is wound with a conductive antenna coil.

Al 15. A lamp as claimed in claim 9, wherein said ceramic discharge vessel is wound with a conductive antenna coil.

16. A lamp as claimed in claim 9, wherein the field wire substantially follows the contours of the glass bulb.

17. A discharge lamp comprising an outer bulb enclosing a ceramic discharge vessel and enclosing a discharge space which contains an ionizable material comprising a metal halide; a first and second discharge electrode feedthrough means, and a first and second current conductor connected to said first and second discharge electrode feedthrough means, respectively; said lamp having a single substantially curved frame wire supporting the ceramic discharge vessel and connected to one of said current conductors, and extending between said ceramic discharge vessel and said glass bulb, said curved frame wire being curved away from said ceramic discharge vessel and toward said glass bulb at least in a center portion adjacent a center portion of said discharge vessel so as to be separated from the discharge vessel by a distance D effective to reduce arc bending when compared to said discharge lamp when said frame wire extends substantially parallel to and in a